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Articulation Agreements Between San Fernando Valley State College and the Colleges of the Los Angeles City Junior College District.

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These articulation agreements have been negotiated so that the junior college student may complete the first two years toward his baccalaureate with courses that meet the requirements of his major. This bulletin merely lists the acceptable courses; details of curricula, course titles, descriptions, or units of credit may be found in the catalogs of the respective colleges. From this listing, the student can see what is needed, not only for his major, but also for completing his general education requirements. In some cases, a certain course may satisfy both needs. If the student elects courses that satisfy neither requirement, he may have to spend extra time in the lower division before transfer. This schedule also lists courses that satisfy minor and major requirements toward teaching credentials. The report may serve as a guide for other schools wishing to establish similar agreements. (HH)

ED026058

LOS ANGELES CITY JUNIOR COLLEGE DISTRICT

Office of the College Curriculum Coordinator

ARTICULATION AGREEMENTS

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
OFFICE OF EDUCATION

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Between

SAN FERNANDO VALLEY STATE COLLEGE

and

THE COLLEGES OF THE LOS ANGELES CITY JUNIOR COLLEGE DISTRICT

City College
East Los Angeles College
Harbor College
Pierce College
Southwest College
Trade-Technical College
Valley College

Revised: September 1, 1968

ALL PREVIOUS EDITIONS ARE OBSOLETE

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PART	IV	COURSES ACCEPTABLE FOR MEETING CREDENTIAL REQUIREMENTS

JC 670 025

INTRODUCTION

The parts of this bulletin have been developed through negotiations between the San Fernando Valley State College Office of Relations with Schools, and the Los Angeles City Schools' College Curriculum Office. The purpose of these agreements is to enable the prospective Valley State College student attending a junior college to complete the first two years of his baccalaureate objective, with courses which meet the requirements for his particular major, as well as the general education requirements for graduation from San Fernando Valley State College.

This bulletin merely lists courses acceptable for meeting the various requirements. Details regarding curricula, course titles, descriptions, or units of credit, may be obtained from the San Fernando Valley State College Catalogue and from the catalogues of the respective Los Angeles Colleges.

In planning his two-year junior college program, the student should first consider the requirements for the major. Next, he should plan to complete as many of the general education requirements as possible. (In many instances, a given course may be applied to both the major and general education requirements. Courses in this category are so indicated in Part I.) The including of electives which do not meet either the Major or General Requirements could result in extending the time required for completion of the bachelor's degree.

To guide the student in the selection of electives, PART III lists all courses acceptable for transfer credit, and, where applicable, indicates San Fernando Valley State College courses for which acceptable.

PART IV lists the courses offered in the Los Angeles Colleges which will satisfy requirements in majors and minors towards teaching credentials.

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Earth Science - Entomology 19
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PART I

COURSES ACCEPTABLE FOR MEETING MAJORS REQUIREMENTS

SFVSC REQUIRED COURSES	LAC COURSES WHICH MEET THE REQUIREMENT	

NOTE: COURSES WHICH MAY BE USED TO SATISFY REQUIREMENTS IN BOTH THE MAJOR AND IN GENERAL EDUCATION ARE INDICATED WITH "G".

ANTHROPOLOGY

Anthropology 150	Anthropology 2	G
Anthropology 204		
Choose three of the following:		
Geography 150	Geography 2	G
History 150,151	History 1,2	G
Philosophy 210	Philosophy 7	G
Sociology 110	Statistics 1	
Sociology 150	Sociology 1	

ART (Maximum transferable: 24 Units)

Option 1. Fine Arts (Drawing, Painting, Printmaking, Sculpture)
Option 2. Crafts (Ceramics, Metal, Textiles, Wood)
Option 3. Design (Graphic Design, Photography, Three Dimensional Design)
Option 4. Secondary Credential
Option 5. Elementary Credential, also recommended for General Art Major

Special Requirement: All students entering upper division classification are required to present a portfolio of work demonstrating their achievement level. Details regarding submission of the portfolio may be obtained from the Art Department secretary.

Core Requirements (only lower division required courses are listed here):

Art 111A-111B	Art 1-2	G
Art 124A-124B	Art 20-21	
Art 140A-140B	Art 11-12	
Option 5 may take either 140A or 140B.	Option 5 may take either Art 11 or Art 12.	

Option 1. Fine Arts

Art 230	Art 25
Art 235	Art 37

SFVSC COURSES	LAC COURSES
ART (Continued)	
Select from the following, with consent of advisor 4 units from:	
Art 227A	Art 22
Art 227B	Art 23
Art 228	
Art 237	Art 58
Option 2. Crafts	
Art 124C	Art 30
Art 235	Art 37
Art 267	Art 52
Art 273	Art 56
Art 277	
Option 3, Design	
Art 124C	Art 30
Art 240	Art 13
Art 244	Art 40
Art 250	Photography 1 or 10
Option 4, Secondary Credential	
Select one of the following:	
Art 244	Art 40
Art 250	Photography 1 or 10
Option 5. General Art Major (Also Elementary Credential)	
Select from the following, for a total of 4 units:	
Art 227A,227B	Art 22,23
Art 228	
Art 230	Art 25
Art 235	Art 37
Art 237	Art 58
Art 240	Art 13
Art 244	Art 40
Art 250	Photography 1 or 10
Art 267	Art 52
Art 273	Art 56
Art 277	

SFVSC COURSES	LAC COURSES	
BIOLOGY		
The student who majors in biology must complete the core program (see below) and is required to demonstrate a proficiency in mathematics equivalent to a passing grade in Mathematics 102 (College Algebra). He may do this by receiving a satisfactory score on the Mathematics Placement Test administered by the testing office. If Mathematics 240 is to be taken at SFVSC (see below), proficiency must be demonstrated before enrollment in that course.		
Biology 101 or Biology 150-150L with	Biology 3 or Botany 1 or Zoology 1 with	G
Biology 151-151L	Botany 2 or Zoology 2	G
Mathematics 240	Statistics 1	G
Chemistry 101-102	Chemistry 1-2	G
Chemistry 333-334	Chemistry 7-8	
Physics 100A-100B	Physics 6-7	G
BUSINESS ADMINISTRATION		
Economics 150-160	Economics 1-2	G
[a]Mathematics 102 or 105 [b]Mathematics 150A or Mathematics 255A	Mathematics 2 or 4 Mathematics 7 or Mathematics 6 or 7	G
Business 220A-B	Accounting 1-2	
Business 280	Business 5 or Law 1	

Proficiency in typewriting and business machines is required of all office administration majors. Proficiency in shorthand is required of those majors who plan to be executive assistants. Those who demonstrate through proficiency tests the ability to type 60 words a minute, take shorthand at 90 words a minute, and operate business machines, may be excused from further courses in the subjects. These proficiencies may be acquired by taking Business Administration 201, 202, and 212, respectively. Beginning students in typing and shorthand should enroll in Business Administration 101 and 102, respectively. Our equivalents for the above-named courses are as follows:

Business 101	Secretarial Science 1
Business 102	Secretarial Science 10
Business 201	Secretarial Science 2
Business 202	Secretarial Science 11
Business 212	Any combination of Office Machines 1, 2, 4, and 5

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[a]All business majors who have not completed College Algebra are required to take a mathematical proficiency test during their first semester in college.

[b]Students in Option 7 must take Mathematics 150A

SFVSC COURSES	LAC COURSES	

BUSINESS EDUCATION (Secondary Credential Program - Five Years)

The secondary credential with a major in business teacher education and a teaching minor authorizes the holder to teach in his major and minor in the junior and senior high schools of California. A student who wishes to prepare for the credential should complete the B.A. in Business Education, a teaching minor, and the professional education courses required by the School of Education. Credential candidates must select a specialization in Accounting or office Administration.

Preparation for the Major (either specialization):	
Mathematics 102	Mathematics 4
Economics 150-160	Economics 2-1
Business 220A-220B	Accounting 1-2
Business 260	Business 1 or Management 1
Business 280	Business 5 or Law 1

The credential candidate must also pass proficiency tests in typing and business machines or complete the following with grades of A or B.

Business 101 or Business 201	Secretarial Science 1 or Secretarial Science 2
Business 212	Any combination of Office Machines 1,2,4,and 5

A student who selects the specialization in Office Administration must also pass a proficiency test in shorthand or complete the following with a grade of A or B.

Business 102 or 202	Secretarial Science 10 or 11

CHEMISTRY

Chemistry 101-102	Chemistry 1-2	G
Chemistry 221	Chemistry 5	
Chemistry 251		
Mathematics 150A	Mathematics 7	G
Mathematics 150B	Mathematics 8	
Mathematics 250	Mathematics 11	
Mathematics 280	Mathematics 12	
Physics 220A-220B-220C	Physics 1-2-3-4	G
Language requirement:		
German 101-102	German 1-2	

SFVSC COURSES	LAC COURSES
DRAMA	
Drama 100-101	Any 6 units from Theater Arts, 21, 22, 23, 24, or 26
Drama 105	Theater Arts 44
Drama 214 or 217	Recommended: Theater Arts, 21, 22, 23, 24, 25, 30, 31.
Drama 264	Theater Arts 7
	A maximum of 2[illegible] units in Theater Arts may be transferred.
EARTH SCIENCE	
Choose one:	
Chemistry 101-102	Chemistry 1-2
Chemistry 103-104	
Choose One:	
Mathematics 255A	Mathematics 6 or 7
Mathematics 240	Statistics 1
Choose one:	
Geography 103	Geography 3 or Meteorology 3
Geography 310	
Choose one:	
Geography 101	Geography 1
Geology 101	Geology 1
Physics 100AB	Physics 6-7
Required:	
Biology 150	Biology 1 or 23
Physical Science 152	Astronomy 1
Geology 101L	Geology 2 with 7 or 5
Geology 102	
ECONOMICS	
Economics 150-160	Economics 2-1 G
Business220A-220B	Accounting 1-2
Mathematics 255A-225B	Mathematics 6 or 7-8
Choose one:	
Philosophy 210	Philosophy 7
Philosophy 230	Philosophy 9
Mathematics 260	

SFVSC COURSES	LAC COURSES	
ENGINEERING *		
This program is based upon an expectation of adequate high school preparation in science and mathematics. High school courses should include algebra, plane geometry, trigonometry, chemistry or physics (both desirable), and mechanical drawing.		
Freshman Year		
Engineering 107	Gen. Engr. 1 with 4	
Engineering 121	Health 10 is acceptable	
Mathematics 150A-B	Mathematics 7-8	G
Chemistry 101-102	Chemistry 1-2	G
Physics 220A	Physics 1-2	G
Sophomore Year		
Engineering 227	General Engineering 5 (must include Lab).	
Engineering 240	General Engineering 7-8	
Mathematics 250	Mathematics 11	
Mathematics 280	Mathematics 12	
Physics 220B-220C	Physics 3-4	
ENGLISH		
English 155	English 1	G
English 255	English 2	G
English 258-259	English 5-6	
Language requirement:		
Successful completion of the second semester of any language taught at the college level	Successful completion of the second semester of a foreign language.	G
FRENCH		
French 101-102-201-202	French 1-2-3-4	G
GEOGRAPHY		
Geography 101	Geography 1	G
Geography 102		
Geography 103 or 310	Geography 3 or Meteorology 3	
Geography 105 or 150	Geography 5 or 2	
Geography 205 or 405		

*Up to 3 units of general education may be waived provided that at least two semesters of physical education are included.

SFVSC COURSES	LAC COURSES	SFVSC MAJORS
GEOLOGY		
Mathematics 150A	Mathematics 7	G
Mathematics 150B or Mathematics 240	Mathematics 8 or Statistics 1	
Chemistry 101-102	Chemistry 1-2	G
Physics 100A-B or Physics 220A-B	Physics 6-7 or Physics 1-2-3	G
Geology 101-101 L	Geology 1 with 6 or 4	
Geology 102	Geology 2 with 7 or 5	
Language requirement:		
French 101-102 or	French 1-2 or	
German 101-102 or	German 1-2 or	
Russian 101-102	Russian 1-2	
GERMAN		
German 101-102-103-104	German 1-2-3-4	G

HEALTH SCIENCE

The Department of Health Science offers curricula leading to the B.S. degree in Health Science with three options:

1. School Health, with areas of concentration for Teacher Education or School Nursing.

2. Public Health, with areas of concentration in Enviromental Health, Health Statistics (Biostatistics), Occupational Health, and Public Health Eeucation. With proper planning and selection of electives, the student in this option can also meet premedical and predental requirements.

3. Physical Therapy-By completion of the B.S. degree in Health Science, Option 3 and with proper advisement, the student is eligible for admission to Center of Health Sciences at UCLA for 6 months of clinical training. Physical therapy certification is awarded upon completion of clinical training.

All three options prescribe the same core program. Lower division requirements are as follows:

Health Science 120	Health 10	G
Biology 150-150L	Botany 1 or Biology 3 or Zoology 1	G
Biology 215	Microbiology 1 or 20	
Biology 211-212	Anatomy 1	
Biology 281	Physiology 1 or 3 (Zoology 6 alone meets the 211-212-281 requirement)	

SFVSC COURSES	LAC COURSES	
HEALTH SCIENCE (Continued)		
Mathematics 102 or Mathematics 105 Mathematics 150A	Mathematics 2 or 4 or Mathematics 2, or 3 with 4 or Mathematics 7	G
Chemistry 103-104 or Chemistry 101-102	Chemistry 1-2	G
Psychology 150	Psychology 1	G
Sociology 150	Sociology 1	G
HISTORY		
Geography 150	Geography 2	G
History 150-151	History 1-2	G
History 270-271	History 11-12 or 17-18	G

HOME ECONOMICS

Three options are provided:

1. Preparation for the standard secondary credential as well as for employment in other areas such as merchandising and journalism.

2. Preparation for a career in business and industry.

3. Preparation for dietetics internship.

The core program is required of all home economics majors; its lower division requirements are as follows:

Art 140A	Art 11	
Biology 150-150L	Biology 3 or Botany 1 or Zoology 1	
Biology 215	Microbiology 1 or 20	
Chemistry 103-104	Chemistry 1-2	G
Chemistry 235	Chemistry 7-8	
Home Economics 161-162	Home Economics 10 with 17	
Home Economics 170	Home Economics 13 or 14	
Home Economics 207-208	Home Economics 21 with 24	

Certain of the options list lower division requirements in addition to core program lower division requirements as follows:

Option 2 Journalism 110	Journalism 1	
Option 3 Business 220A	Accounting 1	
Choice of 6 units from Economics 150-160	Economics 2-1	G
Sociology 150	Sociology 1	G

SFVSC COURSES	LAC COURSES	
JOURNALISM		
The journalism major is for students who plan professional careers in newspaper and magazine editorial work, advertising and public relations, or telephone and radio news work, or for students who feel a study of the media of mass communications would contribute to their liberal education.		
Students are encouraged to take a minor in a related field such as English, history, political science, or sociology.		
Students majoring in journalism are required to complete successfully the second semester of any foreign language taught at the college or to pass an examination to demonstrate an equivalent proficiency.		G
Journalism 100	Journalism 5	
Journalism 110	Journalism 1	
MATHEMATICS		
Mathematics 150A-B	Mathematics 7-8	G
Mathematics 250	Mathematics 11	
Physics 220A-B	Physics 1-2-3	G
MUSIC		
History and Literature		
Music 201A-B	Music 30-31	G
Theory		
Music 120A-B	Music 6-7	
Music 121 A-B	Music 2-3	
Music 220-228	Music 4-8	
Music 226	Music 12-13	
Ensembles (1-1-1-1)		
At least one each semester selected from:		
Music 179	Music 82 or 83	
Music 180	Music 76 or 77 (Maximum 4 units)	
Music 182	Music 74 (Maximum 4 units)	
Music 184	Music 55, 56, 57 or 58 (Maximum 4 units)	
Music 190, 191		

A maximum of 12 units in performance courses is applicable toward the B.A. degree, but not more than 8 may be transferred.

SFVSC COURSES	LAC COURSES	
PHILOSOPHY		
Philosophy 201-202-210-230	Philosophy 3-4-7-9	G
PHYSICAL EDUCATION		
Biology 150	Biology 1 or 3 or Botany 1 or Zoology 1	G
Biology 211-212	Anatomy 1	
Biology 281	Physiology 1 or 3 Zoology 6 alone meets the 211-212-281 requirement	
Specific sports skills tests are prerequisite to enrollment in the following courses:		
Physical Education 110 (Men)	Recommended P.E. 5 H, K	
Physical Education 113 (Women)	Recommended P.E. 5 B G	
Physical Education 180-181-280-281	P.E. 17-18-and 19 (Women), or P.E. 31-32-33-and 39 (Men), or P.E. 20-21-22-23- and any additional units from 26, 27,28,29,30, or 49 to meet the 8 unit requirement	
Physical Education 288 (Women) or 289 (Women)	P.E. 24 or 25	

PHYSICAL SCIENCE

The major in physical science is designed to prepare students for a diversity of career choices, as follows:

1. Professions in technical services (libraries, sales, patent offices, etc.)
2. Teaching positions in the secondary school systems.
3. Studies primarily outside the physical sciences in which familiarity with physical sciences is required.

The major is administered by the Departments of Chemistry and Physics and contains two options which may be taken separately or jointly. The two options have the same lower division core requirement:

Mathematics 150A-B	Mathematics 7-8	G
Mathematics 250-280	Mathematics 11-12	
Physics 220A-B-C	Physics 1-2-3-4	G
Chemistry 101-102	Chemistry 1-2	G

PHYSICS

Physics 220A-220B-220C	Physics 1-2-3-4
Mathematics 150A-150B	Mathematics 7-8
Mathematics 250-280	Mathematics 11-12
Chemistry 101-102	Chemistry 1-2

SFVSC COURSES	LAC COURSES	SFVSC MAJORS
POLITICAL SCIENCE		
Political Science 155	Political Science 1	G
Political Science 156	Political Science 2	
Political Science 201		
Economics 150 or 300	Economics 2	G
History 151	History 2	
Sociology 110	Statistics 1	
PSYCHOLOGY		
Psychology 150	Psychology 1	G
Psychology 250	Psychology 2	

(Psychology 5 is acceptable toward the major if taken previous to June 30, 1968; it may be used only for elective credit after that date.)

Strongly Recommended:
Supporting courses in biology, mathematics, philosophy, and the social sciences.

RADIO-TELEVISION (formerly Broadcasting)		
Radio-Television 197	Broadcasting 15 or 48	
Radio-Television 280	Broadcasting 1	
Select one from following:		
Journalism 110	Journalism 1	
Radio-Television 281		
Speech 250		
RECREATION		
Recreation 100-101-201-202	P.E. 17-18-19 (Women) or P.E. 31-32-33-39 (Men) or P.E. 20-21-22-23 and any additional units from 26,27,28,29,30, or 49 to meet the 8 unit requirement P.E 1,2,3,4,5,6,7	G
RUSSIAN		
Russian 101-102-201-202	Russian 1-2-3-4	G

SOCIOLOGY

The major is designed for students who (1) desire a liberal arts education with emphasis upon sociology or social anthropology, (2) wish to prepare themselves for graduate work in these fields or in social work, or (3) plan to enter the field of social service at the occupational level.

SFVSC COURSES	LAC COURSES	SFVSC MAJORS
SOCIOLOGY (continued)		
Sociology 150	Sociology 1	G
Sociology 202		
Philosophy 210	Philosophy 7	G
Sociology 267		
SPANISH		
Spanish 101-102-201-202	Spanish 1-2-3-4	G

SPEECH

Designed for the student who elects to study the liberal arts with an emphasis in rhetoric and public address

Speech 104	Speech 4
Select 3 courses from:	
Speech 155	Speech 1
Speech 220	Speech 2
Speech 225	Speech 11
Speech 250	

SPEECH CORRECTION

Designed for students who wish to work in clinical programs not requiring educational credentials. It may not be used as a credential major; but will count as a minor when a different major is chosen.

Select two:		
Speech 155	Speech 1	G
Speech 220	Speech 2	
Speech 225	Speech 11	G
Speech 250		

PART II

COURSES ACCEPTABLE FOR MEETING GENERAL EDUCATION REQUIREMENTS

Section A. The Social Sciences — 12 Semester Units

1. U.S. History and
2. American Political Institutions

Choose one sequence of two courses:

History 5 with 6, 11 with 12, 17 with 18
or
Political Science 1 with one History course chosen from 5, 6, 11, 12, 13, 14, 17, 18

3. Choose one course from each of two categories:

a. Anthropology 2
b. Economics 1, 2, 5
c. Geography 2, 5, 10, 11, 12
d. Sociology 1,2,10
e. History 1, 2, 3, 4
f. Political Science 2

Section B. The Natural Sciences — 9 Semester Units

1. Physical Sciences

Choose at least one course:

Chemistry 1, 3, 4, 11, 12, 13
Physical Science 1
Physics 1, 6, 11, 12, 21

2. Biological Science

Choose at least one course:

Anatomy 1
Biology 1, 3, 6, 23
Botany 1
Physiology 1, 3
Zoology 1, 6

Section B. (continued)

3. Science Electives

Astronomy 1
Biology 2, 7, 24, 25
Botany 2, 3
Earth Science 1
Entomology 11
Geography 1, 3
Geology 1, 4, 6
Meteorology 3
Microbiology 1, 6, 20
Mineralogy 1, 2, 10, 11
Paleontology 1
Physical Science 2
Physics 2, 3, 4, 7
Zoology 2, 5

Section C. The Humanities — 9 Semester Units

Choose at least three units from each sub-section:

1. Art, Drama or Music
   Art 1, 2, 3, 4, 11, 12, 13, 20, 21, 30
   Humanities 3
   Music 2, 3, 6, 7, 30, 31, 32, 33
   Theater Arts 2, 5, 6

2. Literature

   English 2, 3, 4, 5, 6, 7, 8, 14

3. Philosophy 1, 2, 3, 4, 20

Section D. Rhetoric — 6 Semester Units

One course from each sub-section:

1. English 1
2. Speech 1, 2, 11

Section E. General Psychology — 3 Semester Units

Psychology 1

Section F. Health and Physical Education 4 Semester Units

1. Health 10 or 11
2. Physical Education: 4 Semesters of activities selected from P.E. 1, 2, 3, 4, 5, 6, 7, 8, 13, 50, 60

Section G. Selected Electives One Course is Required

Choose only from the following:

Any foreign language, up to 6 units, at the level of course 2 or beyond.

Mathematics 1, 2, 4, 5, 6, 7, 17, 23, 25, 35, 71, 72
Philosophy 7, 8, 9
Statistics 1

Total Required Semester Units in General Education 46

PART III

COURSES ACCEPTABLE FOR TRANSFER CREDIT, AND SFVSC COURSES FOR WHICH ACCEPTABLE

This section lists all courses transferable to San Fernando Valley State College for credit. SFVSC courses for which Los Angeles College courses are acceptable toward the Major are indicated in the right column opposite the respective course numbers. Courses from this list which meet the General Education requirements may be found by referring to PART II of this Bulletin. All other courses are acceptable for elective credit only.

Each course, individually, is acceptable for transfer credit. The words "or", "and", and "with" in the LAC column refer to SFVSC equivalencies.

LAC COURSES	SFVSC COURSES
ACCOUNTING	
1.	Business 220A
2.	Business 220B
21 with 22 (Same as 1)	
AGRICULTURE	
1, 2	
ANATOMY	
1.	Biology 211-212
40	
ANTHROPOLOGY	
1.	
2.	Anthropology 150
3, 4, 5, 6, 7	
ARABIC	
1, 2, 3, 4, 5, 6, 10, 11	

LAC COURSES	SFVSC COURSES
ART (Maximum transferable: 24 units)	
1.	Art 111A or 105
2.	Art 111B or 105
3 or 4	Art 105
5, 6, 7, 8, 10*	
11-12	Art 140 A-B
*Art 10 may be substituted for SFVSC Art 380 toward the Elementary Credential, but is not equivalent in any other respect.	
13.	Art 240
14, 15, 18	
20-21	Art 124A-B
22-23	Art 227A-B
24.	
25. (Maximum: 2 units)	Art 230
26, 27, 28, 29	
30.	Art 124C
31, 32, 33, 34	
37.	Art 235
38.	
40.	Art 244
41, 42, 43, 44, 45, 47, 48, 50, 51	
52.	Art 267
53, 54, 55	
56.	Art 273
57.	
58.	Art 237
59, 80	
ASTRONOMY	
1.	Physical Science 152
2.	
BIOLOGY	
1.	Biology 150
2.	Biology 151
3.	Biology 150-150L
6.	Biology 150-150L
7.	Biology 151-151L
10, 13	
23.	Biology 150
24.	Biology 151
25, 41	

LAC COURSES	SFVSC COURSES
BOTANY	
1.	Biology 150-150L
2.	Biology 151-151L
3, 40	
BROADCASTING	
1.	Radio-Television 280
15 or 48	Radio-Television 197
5, 10, 20, 21, 25, 46	
BUSINESS	
1.	Business 260
5.	Business 280
6, 8, 15, 32, 33	
BUSINESS DATA PROCESSING	
1, 21, 31	
CHEMISTRY	
1.	Chemistry 101
2.	Chemistry 102
1 with 2	Chemistry 103-104
3.	Chemistry 103
4.	
5.	Chemistry 221
6.	
7-8	Chemistry 235
11, 12 with 13, 14, 15	
CHINESE	
1-2	Chinese 101-102
3-4	Chinese 201-202
8, 10, 11	
DRAFTING	
1.	

LAC COURSES	SFVSC COURSES
EARTH SCIENCE	
1.	
ECONOMICS	
1.	Economics 160
2.	Economics 150
4,5	
EDUCATION	
1, 2, 3	
ENGINEERING, CIVIL	
1, 2, 3, 4	
ENGINEERING, GENERAL	
1 with 4	Engineering 107
2.	Engineering 105
5 (with lab.)	Engineering 227
7 with 8	Engineering 240
15, 25, 35	Engineering 105
ENGLISH	
1.	English 155
2.	English 255
3,4	
5-6	English 258-259
7, 8, 11, 12	
14, 15, 16, 17, 18*, 19, 20, 23	(Maximum: 6 units)
24, 25, 27, 44, 45	
13	English 264

* English 18 may be substituted for SFVSC English 328, toward the Elementary Credential, but is not equivalent in any other respect.

ENTOMOLOGY	
11.	

LAC COURSES	SFVSC COURSES
FINANCE	
8.	
FRENCH	
1-2	French 101-102
3-4	French 201-202
20.	French 101-102
5, 6, 7, 8, 10, 11	
GEOGRAPHY	
1.	Geography 101
2.	Geography 150
3.	Geography 103
4.	
5.	Geography 105
10, 11, 12, 14, 30	
GEOLOGY	
1.	Geology 101
2 with 7	Geology 102
4.	Geology 101-101L
5.	Geology 102
6.	Geology 101L
9, 12	
GERMAN	
1-2	German 101-102
3-4	German 201-202
5, 6, 7, 8, 10, 11	
GRAPHIC ARTS	
1.	
HEALTH	
10 or 11	Health Science 120 or Engineering 121
12.	Health Science 160

LAC COURSES	SFVSC COURSES
HEBREW	
1, 2, 3, 4, 5, 10	
HISTORY	
1.	History 150
2.	History 151
3, 4	
5.	History 254
6, 7, 10	
11-12	History 270-271
13 or 14	History 255
15, 16	
17-18	History 270-271
20, 21, 23, 27, 29, 35	
HOME ECONOMICS	
10 with 17	Home Economics 161-162
13 or 14	Home Economics 170
21 with 24	Home Economics 207-208
1, 2, 30, 31	
HORTICULTURE, ORNAMENTAL	
1, 2, 3, 4, 5	
HUMANITIES	
1, 2, 3, 5, 7, 10	
INDUSTRIAL ARTS	
1, 11, 21, 41, 51	
ITALIAN	
1, 2, 3, 4, 5, 6, 8, 10, 11	
JAPANESE	
1, 2, 3, 4, 5, 6, 10, 11, 12, 13	

LAC COURSES	SFVSC COURSES
JOURNALISM	
1.	Journalism 110
2.	Journalism 210
4.	
5.	Journalism 100
6.	
16.	Journalism 230
18, 20	
25.	Journalism 100
32, 33, 35, 41, 42, 43, 44	
LATIN	
1-2	Latin 101-102
3-4	Latin 201-202
LAW	
1.	Business 280
2.	
MANAGEMENT	
2.	Business 260
MATHEMATICS	
1.	
2.	Mathematics 102 or 105
3 with 4	Mathematics 105
4.	Mathematics 102
5.	
6.	Mathematics 255A
7.	Mathematics 255A or 150A
8.	Mathematics 255B or 150B
11.	Mathematics 250
12.	Mathematics 280
13, 15	
17. (with prerequisite of high school algebra and geometry	Mathematics 131
18, 23, 24	
25.	Mathematics 210

LAC COURSES	SFVSC COURSES
MATHEMATICS (Continued)	
26, 27	Mathematics 210
35.	
36.	
37, 38, 44, 60, 61, 62	Mathematics 281
63.	
71, 72 (Same as 7)	
73, 74 (Same as 8)	
MERCHANDISING	(Maximum: 3 units for any combination of courses applicable to Business Education Major)
METEOROLOGY	
3.	Geography 103
MICROBIOLOGY	
1 or 20	Biology 215
6.	
MINERALOGY	
1, 2, 10, 11, 12	
MUSIC (Maximum transferable: 32 units)	
2-3	Music 121 A-B
6-7	Music 120 A-B
4-8	Music 220-228
12 with 13	Music 226
30-31	Music 201 A-B
32 or 33	Music 105
40-41-42 (Maximum: 2 units)	Music 240 A-B
57. (Maximum for any combination of 55, 56, 57, 58, 59: 4 units)	Music 184
60.	Music 141 A-B or 142 A-B
61, 62 or 66	Music 242 A-B
74.	Music 182
76 or 77	Music 180

LAC COURSES	SFVSC COURSES
MUSIC (Continued)	
5, 17, 28, 29, 34, 44, 54, 55, 56, 58, 59, 68, 69, 70, 71, 72, 74, 81, 90 82, 83	Music 179
OFFICE MACHINES	
1, 2, 4, or 5 (Maximum for any combination: 4 units) (Maximum for any combination of 1, 2, or 5: 2 units)	Business 212
PALEONTOLOGY	
1.	
PHILOSOPHY	
1.	Philosophy 150
2.	Philosophy 201-202
3-4	
6.	Philosophy 210
7.	Philosophy 100
7 with 8	Philosophy 230
9.	
15, 20, 21, 22, 23, 24, 25	
PHOTOGRAPHY (Maximum: 6 units)	
1 or 10	Art 250
2, 3, 4, 11, 15, 16, 17, 21, 30	
PHYSICAL EDUCATION	
1, 2, 3, 4, 5, 6, 7, 8	P. E. 160
13.	P.E. 182-183-282-283
17-18-19	(Partial Credit for P.E. 182 183-282-283)
20-21-22-23 or 26-27-28-29	P.E. 288 (W) or 289
24 or 25	P.E. 113
28.	

LAC COURSES	SFVSC COURSES
PHYSICAL EDUCATION (Continued)	
30. 31-32-33-39 16, 34, 35, 40, 41, 42, 43, 44, 45, 50 48, 49, 50, 60	P.E. 182-183-282-283
PHYSICAL SCIENCE	
1. 2.	Physical Science 150 Physical Science 151
PHYSICS	
1 with 2 1-2-3 1-2-3-4 6-7 11, 12, 14 21.	Physics 220A Physics 220A-B Physics 220A-B-C Physics 100A-B Physics 100A
PHYSIOLOGY	
1 or 3	Biology 281
POLICE SCIENCE (A maximum of 15 units is transferable)	
POLITICAL SCIENCE	
1. 2. 7, 8, 10, 30	Political Science 155 Political Science 156
PORTUGUESE	
1, 2, 3, 4	
PSYCHOLOGY	
1.	Psychology 150

LAC COURSES	SFVSC COURSES
PSYCHOLOGY (Continued)	
2.	Psychology 250
3, 4, 5	(Maximum: one course)
11, 12, 13, 14	
RUSSIAN	
1-2	Russian 101-102
3-4	Russian 201-202
5-8	
SECRETARIAL SCIENCE	
1.	Business 101
2.	Business 201
10.	Business 102
11.	Business 202
3, 4, 5 (Maximum: 4 units)	
12, 13, 14, 15 (Maximum: 4 units)	
16, 17, 18, 19 (Maximum: 3 units)	
30, 32, 41	
SOCIOLOGY	
1.	Sociology 150
2.	Sociology 200
4, 7, 10, 12, 13, 15, 19, 20	
SPANISH	
1-2	Spanish 101-102
3-4	Spanish 201-202
5.	Spanish 220
6, 7, 8, 9, 10, 11, 12, 13	
SPEECH	
1.	Speech 155
2.	Speech 220
3.	Speech 104
4.	
7, 9	

LAC COURSES	SFVSC COURSES
SPEECH (Continued)	
11.	Speech 225
12.	
13.	Speech 198
15.	
STATISTICS	
1.	Sociology 110 or Psychology 110 or Mathematics 240
THEATER ARTS (Maximum transferable: 20 units)	
1.	
2.	Drama 150
5, 6	
7.	Drama 264
10, 15	
20.	
21.	Drama 100
22, 23, 24, 26 (any 6 units)	Drama 100-101
26.	Drama 101
30.	Drama 116
40, 42	
44.	Drama 105
45 or 46	Drama 205
47.	Drama 196
ZOOLOGY	
1.	Biology 150-150L
2.	Biology 151-151L
4, 5	
6.	Biology 211-212 with 281

PART IV

COURSES ACCEPTABLE FOR MEETING CREDENTIAL REQUIREMENTS

The lower division requirements for Elementary and Secondary Credential majors are, in most cases, the same as for the non-teaching credential majors offered by the various departments . The requirements for these regular majors are outlined in PART I of this bulletin.

Lower division requirements for the minors for Elementary and Secondary Credentials are generally less comprehensive than for regular majors and are therefore given in detail herein.

Credential candidates must complete the same basic general education pattern required of all students. In addition to all other requirements (general education, major, minor), the candidate for the Elementary Credential must complete the following courses:

SFVSC COURSE	LAC COURSE WHICH MEETS THE REQUIREMENT
Mathematics 210A	Mathematics 25 or 35
Art 380	Art 10*
English 328	English 18*
Music 361	

*These courses fulfill the requirement for the Elementary Credential, but are not, in any other respect equivalent to the upper division courses.

I. MAJOR AND MINOR REQUIREMENTS FOR ELEMENTARY AND SECONDARY TEACHING CREDENTIALS

A. Elementary

1. Completion of a major in one of the following subjects:

Anthropology
Art (Option 5)
Biology
Drama
English
French
Geography
German
History
Mathematics
Music
Philosophy
Political Science
Psychology
Russian
Sociology
Spanish
Speech

A. Elementary (Continued)

2. Completion of a minor in one of the following subjects:

Anthropology
Art
Biology
Chemistry
Drama
Economics
English
French
Geography
Geology
German
Health Science
History
Home Economics
Journalism
Latin
Mathematics
Music
Philosophy
Physical Education
Physics
Political Science
Psychology
Russian
Sociology
Spanish
Speech

Specialized preparation to serve as a teacher of exceptional children may be substituted for a minor. The college offers such preparation in the following areas: Mentally Retarded; Speech and Hearing Handicapped.

B. Secondary

1. Completion of a major in one of the following subjects. (The major must be in one of the starred subjects if the student chooses a minor in an unstarred subject or specialized preparation in teaching exceptional children in lieu of a minor.)

Anthropology*
Art*
Biology*
Broadcasting
Business Education
Drama*
Economics*
English*
French*
Geography*
German*
Health Science
History*
Home Economics
Journalism
Mathematics*
Music*
Philosophy*
Physical Education
Physical Science*
Political Science*
Psychology*
Russian*
Sociology*
Spanish*
Speech*

2. Completion of a minor in one of the following subjects. (The minor must be in a starred subject if the student chooses an unstarred major.)

Anthropology*
Art*
Biology*
Business Education
Chemistry*
Drama*
Economics*
English*
French*
Geography*
Geology*
German*
Health Science
History*
Home Economics
Journalism
Latin*
Mathematics*
Music*
Philosophy*
Physical Education
Physics*
Political Science*
Psychology*
Russian*
Sociology*
Spanish*
Speech*

B. Secondary 2. Completion of a minor (Continued)

In choosing the major and minor, the Secondary Credential candidate should keep in mind that student teaching will later be required in at least one subject normally taught in the local secondary schools. It is therefore recommended that the student choose both major and minor from among those subjects in which student teaching is available. Secondary student teaching assignments are not available in Anthropology, Economics, Psychology, and Sociology. Students with a major in Anthropology, Broadcasting, or Philosophy are required to take a second minor as defined by the State Department of Education. Students with a major in Business Administration or Physical Education are required to complete a minor in an academic subject.

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11. SFVSC LOWER DIVISION COURSE REQUIREMENTS FOR ELEMENTARY AND CREDENTIAL MINORS AND LAC COURSE EQUIVALENTS

MINOR	SFVSC COURSE	LAC COURSE
Anthropology	Anthropology 150 Anthropology 204 or 301	Anthropology 2
Art	Art 124A-B Art 140A-B *Art Elective*	Art 20-21 Art 11-12 *Art Elective*
Biology	Chemistry 101-102 or Chemistry 103-104 Biology 150-150L Biology 151-151L Biology 211-212 Biology 281	Chemistry 1-2 Biology 3 or Zoology 1 or Botany 1 Zoology 2 or Botany 2 Anatomy 1 with Physiology 1 or 3 or Zoology 6
Business Education (Secondary only)	Business 220A-B Select 4 units from: Business 101[a] or 201[a] Business 212[a] Strongly recommend: Business 260	Accounting 1-2 Secretarial Science 1 or 2 2 units from OM 1,2,4,5 Business 1 or Management 2

[a]Course credit, not unit credit may be obtained by passing proficiency tests in these subjects in lieu of taking the courses.

MINOR	SFVSC COURSE	LAC COURSE
Business Education (Secondary only)		
	Acceptable: Business 102 or 202	Secretarial Science 10 or 11
	Business 280	Business 5 or Law 1
Chemistry	Chemistry 101-102 Chemistry 221	Chemistry 1-2 Chemistry 5
	Recommended: Physics 100A-B	Physics 6-7
Classics:	Classics 101L-102L Classics 201L-202L	Latin 1-2-3-4
Drama	Drama 100-101	Any 6 units from Theater Arts 22, 23, 24, 26
	Drama 264	Theater Arts 7
Economics	Economics 150-160	Economics 2-1
English	English 255 English 258-259	English 2 English 5-6
French	French 101-102-201-202	French 1-2-3-4
Geography	Geography 101 Geography 105 Geography 150	Geography 1 Geography 5 Geography 2
Geology	Chemistry 101 Geology 101-101L Geology 102	Chemistry 1 Geology 1-6, or 4 Geology 2 with 7, or 5
German	German 101-102-201-202	German 1-2-3-4
Health Science	Biology 211 Biology 281	Anatomy 1 Physiology 1 or 3 (Zoology 6 alone meets the Biology 211-212-280 Requirement)
	Biology 151	Biology 2 or Botany 2 or Zoology 2
	Chemistry 103) Chemistry 104))	Chemistry 3 for 103 alone Chemistry 1 with 2 for 103 and 104
	Health Science 160	Health 12

MINOR	SFVSC COURSE	LAC COURSE
History	History 150-151 History 270-271	History 1-2 History 11-12 or 17-18
Home Economics	Art 140A Home Economics 160 Home Economics 170 Home Economics 205	Art 11 Home Economics 10-17 Home Economics 13 or 14 Home Economics 21 and 24
Journalism	Journalism 100 Journalism 110 Journalism 210 Journalism 230	Journalism 5 Journalism 1 Journalism 2 Journalism 16
Latin (See Classics)		
Mathematics	Plan A	
	Mathematics 150 A-B Mathematics 250	Mathematics 7-8 Mathematics 11
	Plan B	
	Mathematics 240 Mathematics 255 A-B Mathematics 260 Mathematics 281	Statistics 1 Mathematics 7-8 Mathematics 63
Music	8 units chosen from:	
	Music 120 A-B Music 121 A-B-C Music 220 Music 201 B	Music 6-7 Music 2-3-4 Music 8 Music 31

A reasonable level of keyboard proficiency, to be determined by examination, must be acquired by the junior year. This requirement may be met by successfully completing Music 60 (fourth semester) or an equivalent examination.

Elementary Teaching Concentration add:

2 units from:

Music 180	Music 76,77
Music 182	Music 74,75
Music 184	Music 55,56,57,or 58

MINOR	SFVSC COURSE	LAC COURSE
Music (Continued)		
	Secondary Teaching Concentration - Vocal Add:	
	Music 142 B	Music 60 Fourth semester)
	4 units from: Music 184) Music 190) Music 191)	Music 55,56,57,or 58
	Secondary Teaching Concentration - Instrumental Add:	
	2 units from: Music 179,180 Music 182	Music 76,77,82,83 Music 74
Philosophy	Philosophy 201-202	Philosophy 3-4
	One from the following: Philosophy 210 Philosophy 230 Philosophy 400	Philosophy 7 Philosophy 9
Physical Education	Biology 150 Biology 211	Biology 1 or 3 or 23 or Zoology 1 or Botany 1 Anatomy 1
Physics	Physics 220 A-B-C	Physics 1-2-3-4
Political Science	Political Science 155 Political Science 156 Political Science 201	Political Science 1 Political Science 2
Psychology	Psychology 150-250	Psychology 1-2
Russian	Russian 101-102-201-202	Russian 1-2-3-4
Sociology	Sociology 110 Sociology 150 Sociology 267	Statistics 1 Sociology 1 Sociology 16
Spanish	Spanish 101-102-201-202	Spanish 1-2-3-4
Speech	Select three from the following: Speech 104 Speech 155 Speech 220 Speech 225 Speech 250	 Speech 4 Speech 1 Speech 2 Speech 11